NATURE SCIENCE TECHNOLOGIES

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CERTIFICATE OF ANALYSIS

Formononetin

LOT EX0293

Catalog No.: NST-10-17

CAS No.: 485-72-3

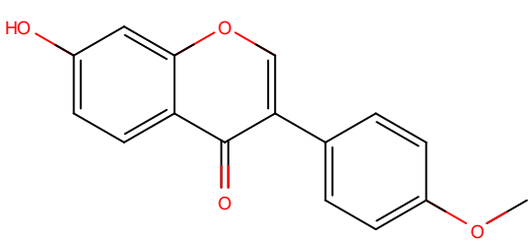
Molecular formula: $C_{16}H_{12}O_4$

MW: 268.26

Manufacturing date: 26.01.2026

Analysis date: 28.01.2026

Shelf life: 24 months



No.	Parameter	Specification	Results	Method
1.	Appearance	Powder	Conforms	Visual
2.	Color	White	Conforms	Visual
3.	Identification	Conforms	Conforms	TLC&NMR
4.	Assay	≥98.0 %	99.73 %	HPLC
5.	Residue on ignition	≤1.0 %	0.2 %	USP <281>
6.	Water	≤2.0 %	0.16 %	KF
7.	Heavy Metals	≤10 ppm	Conforms	ICP-MS
8.	Lead	≤2 ppm	Conforms	ICP-MS
9.	Arsenic	≤1 ppm	Conforms	ICP-MS
10.	Mercury	≤0.1 ppm	Conforms	ICP-MS
11.	Cadmium	≤1 ppm	Conforms	ICP-MS

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored

Issued by
Nature Science Technologies Ltd.

Signature:



Date: 28.01.2026

This Certificate of Analysis is based on the manufacturer's quality control documentation for the referenced batch.